

Claims

1. A halogen-free, flame-resistant wrapping foil comprising polyolefin and containing more than 120 phr of metal hydroxide.

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2. The wrapping foil of claim 1, wherein the metal-hydroxide content is more than 150 phr.

3. The wrapping foil of claim 1 comprising a fraction of carbon black of at least 5 phr, 10 the carbon black optionally having a pH of 6 to 8.

4. The wrapping foil of claim 1, which comprises at least one polypropylene having a flexural modulus of less than 900 MPa, and/or a crystallite melting point of between 120°C and 166°C.

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5. The wrapping foil of claim 1, which has a thickness of 30 to 180 µm, a force in a machine direction at 1% elongation of 0.6 to 5 N/cm, a force at 100% elongation of 2 to 20 N/cm, and/or a crystallite melting point of the polypropylene copolymer of less than 166°C.

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6. The wrapping foil of claim 1, which is free from red phosphorus and a content of chemically bonded phosphorus does not exceed 0.5 phr.

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7. The wrapping foil of claim 1, which comprises polypropylene polymer and also ethylene-propylene copolymers from the classes of EPM and EPDM polymers.

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8. The wrapping foil of claim 1, which has on one or both sides, a layer of adhesive, and optionally a primer layer between film and adhesive layer, the amount of the adhesive layer being in each case 10 to 40 g/m², and the adhesive exhibiting a bond strength to steel of 1.5 to 3 N/cm, an unwind force of 1.2 to 6.0 N/cm at 300 mm/min unwind speed, and/or a holding power of more than 150 min.

9. The wrapping foil of claim 1, which comprises a solvent-free pressure-sensitive adhesive which is produced by coextrusion, melt coating or dispersion coating, this adhesive being joined to a surface of the carrier foil by means of flame or corona pretreatment or of an adhesion promoter layer which is applied by coextrusion or
5 coating.
10. The wrapping foil of claim 1, which exhibits an oxygen index (LOI) above 20%.
11. A method of bundling, protecting, labeling, insulating or sealing ventilation pipes or
10 wires or cables and for sheathing cable harnesses in vehicles or field coils for picture tubes comprising wrapping said pipes, wires or cables with a wrapping foil according to claim 1.